

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

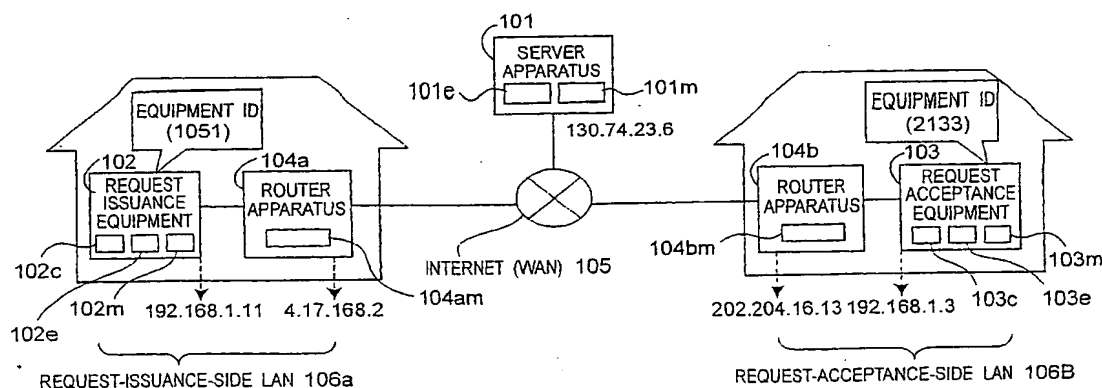
PCT

(10) International Publication Number
WO 2005/081492 A1

- (51) International Patent Classification⁷: **H04L 29/06**, 29/12, 29/08 (74) Agents: KAWAMIYA, Osamu et al.; AOYAMA & PARTNERS, IMP Building, 3-7, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 5400001 (JP).
- (21) International Application Number: PCT/JP2005/001169 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 21 January 2005 (21.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 2004-044141 20 February 2004 (20.02.2004) JP (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (for all designated States except US): MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. [JP/JP]; 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): YOSHIDA, Junji. HAMAI, Shinji. MATSUMI, Chiyoko. Published: — with international search report

[Continued on next page]

(54) Title: METHOD AND SYSTEM FOR PROXY-BASED SECURE END-TO-END TCP/IP COMMUNICATIONS



(57) Abstract: A server apparatus (101) receives a TCP connection start signal transmitted from a request issuance equipment (102) to establish a TCP connection with the request issuance equipment (102), receives a connection request signal including an equipment ID of a request acceptance equipment (103), and an IP address and a port number thereof, searches the equipment ID thereof included in the received connection request signal from an equipment information list, identifies the equipment related to a set of pieces of equipment information including the equipment ID coincident with the equipment ID thereof included in the connection request signal, as the request acceptance equipment (103), identifies the IP address and the port number included in a set of pieces of equipment information on the identified request acceptance equipment (103), and transmits a connection request signal including the IP address and the port number included in the received connection request signal.

ATTACHMENT A



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.